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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Only for new nonprovisional applications under 37 C.F.R. 1.53(b)

Attorney Docket No.	NTL-3.2.145/3518 (12810R0US01U)
First Inventor	Shiquan Wu et al.
Title	SYNCHRONIZATION IN A MULTIPLE-INPUT/MULTIPLE-OUTPUT (MIMO) ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) SYSTEM FOR WIRELESS APPLICATIONS
Express Mail Label No.	EL401216579US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 202311. ☒ *Fee Transmittal Form (e.g., PTO/SB/17)
(submit an original, and a duplicate for fee processing)2. ☒ Specification Total Pages [32]
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the invention
- Brief Summary of the invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) Total Pages [5]

4. Oath or Declaration Total Pages [1]
- a. ☒ New unexecuted (original or copy)
 - b. ☐ Copy from a prior application (37 CFR §1.63(d)
(for continuation/divisional with box 16 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.26).

5. ☐ Microfiche Computer Program (Appendix)6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS7. ☐ Assignment Papers (cover sheet & document(s))8. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)9. ☐ English Translation Document (if applicable)10. ☐ Information Disclosure ☐ Copies of IDS Citations
Statement (IDS)PTO-144911. ☐ Preliminary Amendment12. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)13. ☐ *Small Entity ☐ Statement filed in prior application
Statement(s) (PTO/SB/09-12) Status still proper and desired14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)15. ☐ Other:

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: ____ / ____

Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION or DIVISIONAL APPS. Only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS☐ Customer Number or Bar Code Label26784
(Insert Customer No. or Attach bar code label here)or ☒ Correspondence address below

Name	COBRIN & GITTES				
Address	750 Lexington Avenue, 21 floor				
City	New York	State	New York	Zip Code	10022
Country	U.S.A.	Telephone	(212) 486-4000	Fax	(212) 486-4007
Name (Print/Type)	Lawrence E. Russ		Registration No. (Attorney/Agent)	35,342	
Signature	<i>Lawrence E. Russ</i>		Date	December 29, 2000	

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

Complete if Known

Application Number	To be assigned
Filing Date	Concurrently Herewith
First Named Inventor	Shiquan Wu et al.
Group Art Unit	to be assigned
Examiner	to be assigned

TOTAL AMOUNT OF PAYMENT (\$1042.00)

Attorney Docket No. NTL-3.2.145/3518 (12810ROUS01U)

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 03-2317

Deposit Account Name: COBRIN & GITTES

☒ Charge any additional fee required under 37 CFR 1.16 and 1.17

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Code	(\$)	Code	(\$)		
105	130	205	65	Surcharge - Late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Code	(\$)	Code	(\$)		
101	710	201	355	Utility filing fee	\$710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1)

\$710.00

2. EXTRA CLAIM FEES

		Extra Claim	Fee below	Fee Paid
Total Claims	34	-20 =	14 x	9 or 18
Indep. Claims	4	-3 =	1 x	40 or 80
Multiple Dependent			130	

** or number previously paid, if greater; for reissues, see below

Large Entity		Small Entity		Fee Description
Code	(\$)	Code	(\$)	
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$)332.00

Other fee (specify) _____

*Reduced by Basic filing fee Paid

SUBTOTAL (3)

0

SUBMITTED BY

Typed or Printed Name Lawrence E. Russ

Signature

Complete (if applicable)

Registration Number 35,342

Date December 29, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patents, Washington, DC 20231.

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